6. Schematic Diagrams

6-1 Power ---------- 6-2

6-2 AV-Decoder/Main-Micom ---------- 6-3

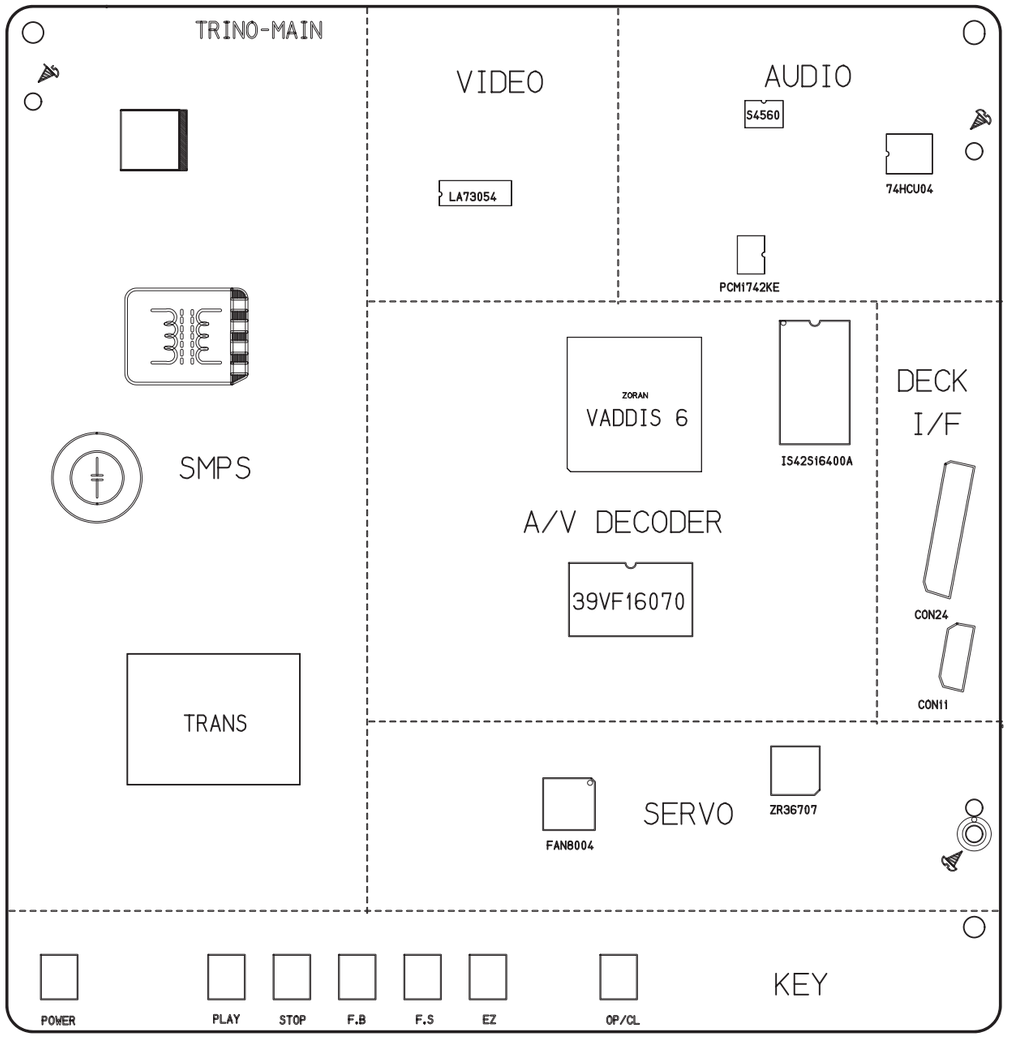
6-3 Servo ---------- 6-4

6-4 Video ---------- 6-5

6-5 Audio ---------- 6-6

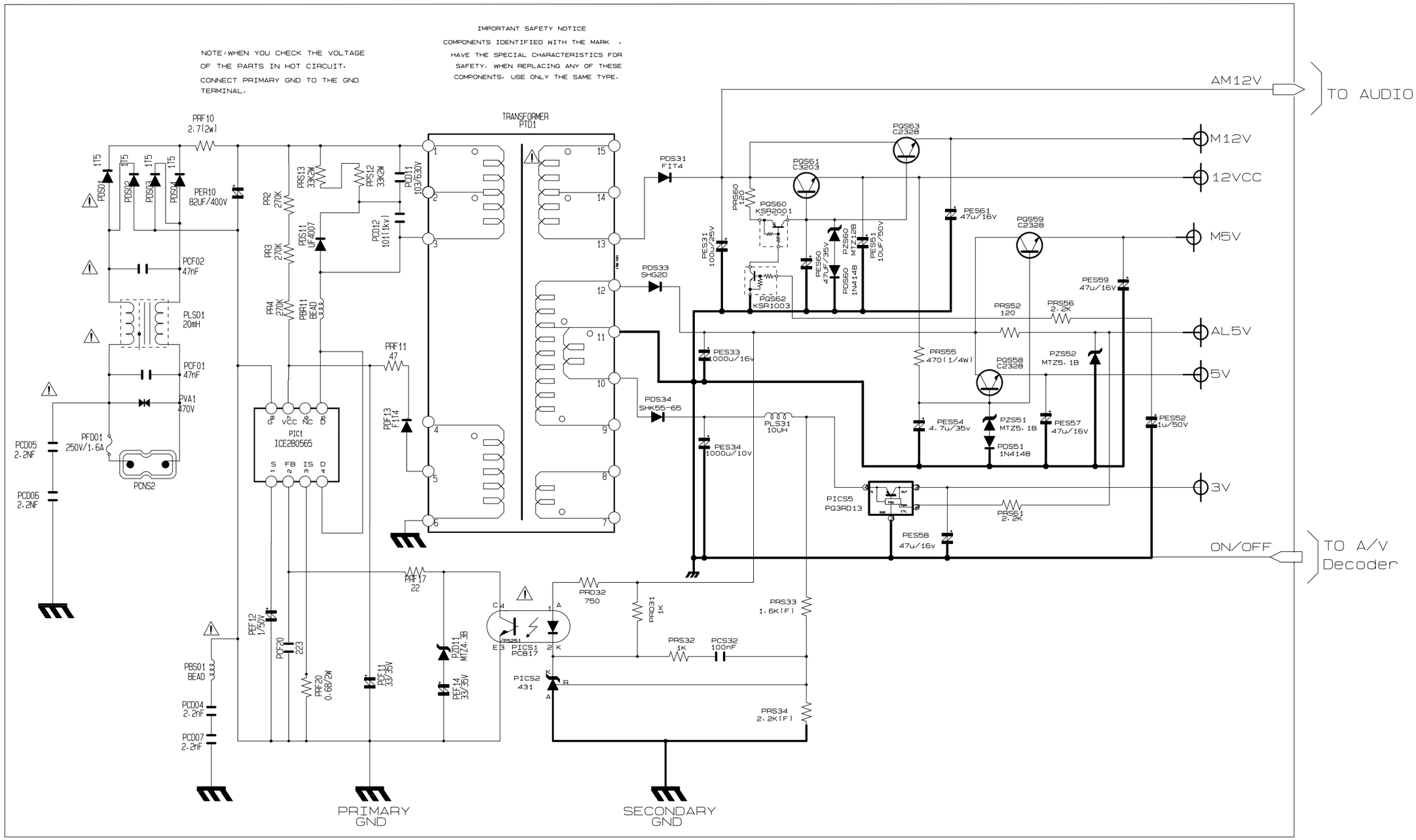
6-6 Key ---------- 6-7

Block Identification of PCB



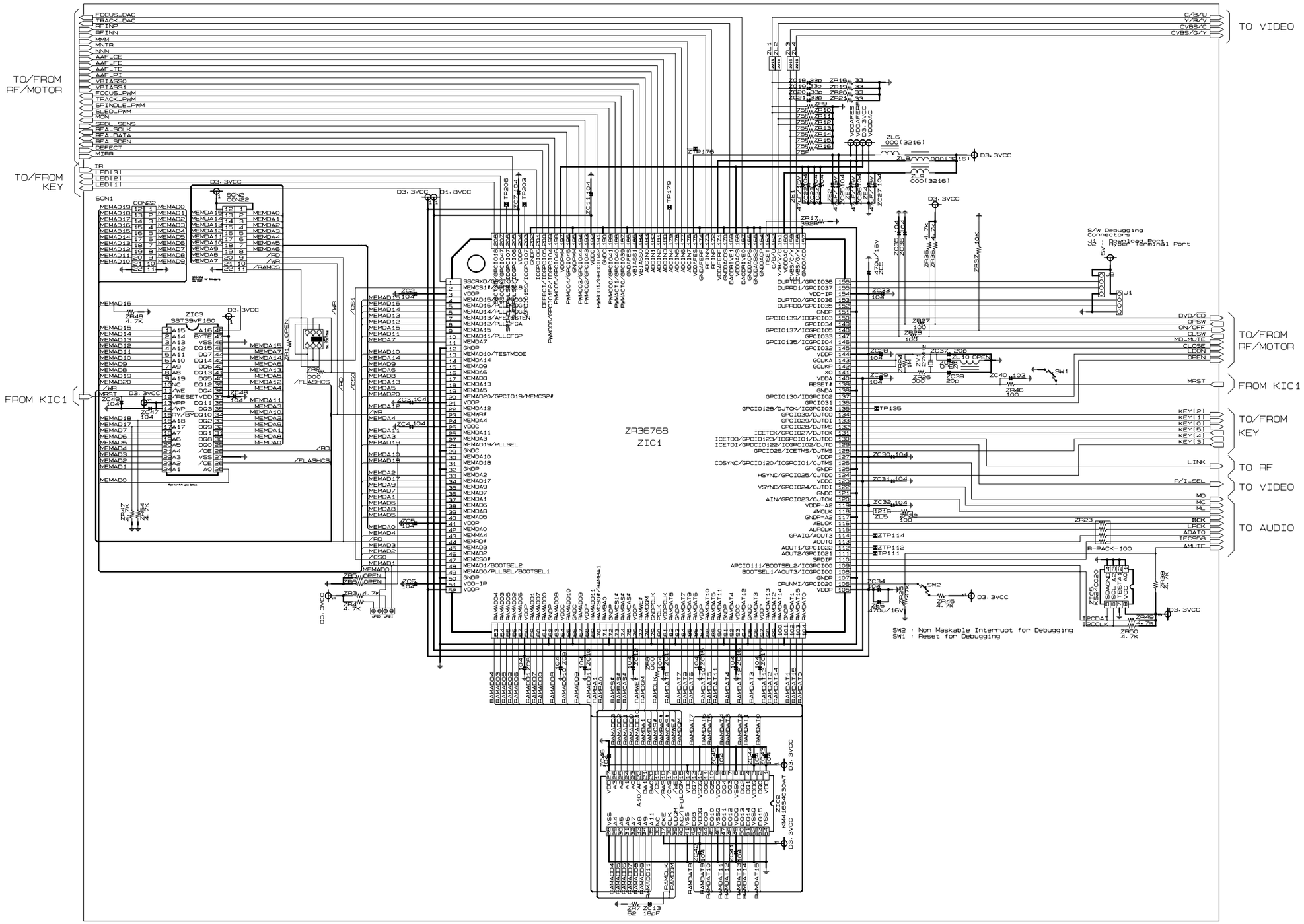
Main PCB (Component Side)

6-1 Power

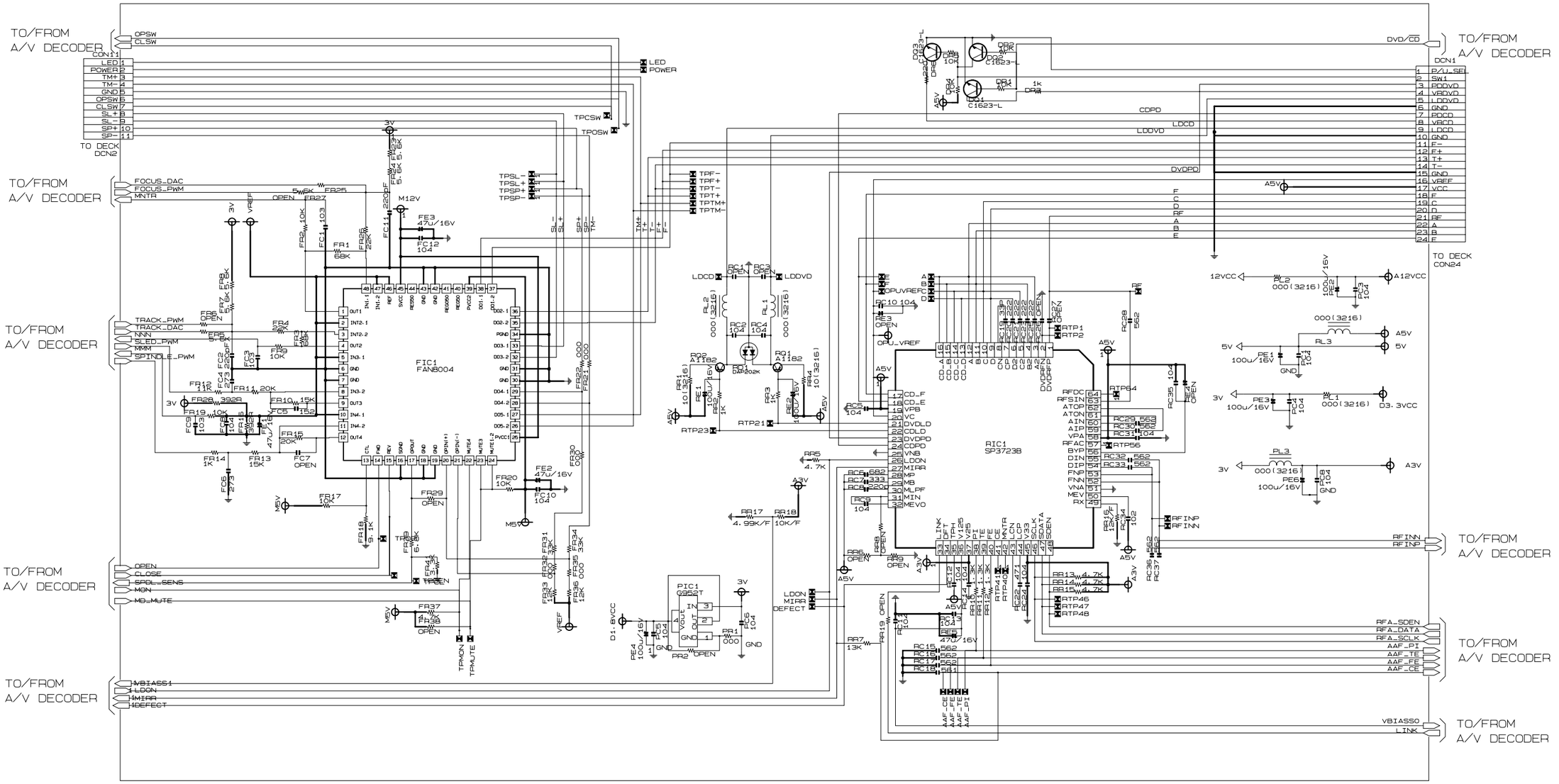


This Document can not be used without Samsung's authorization.

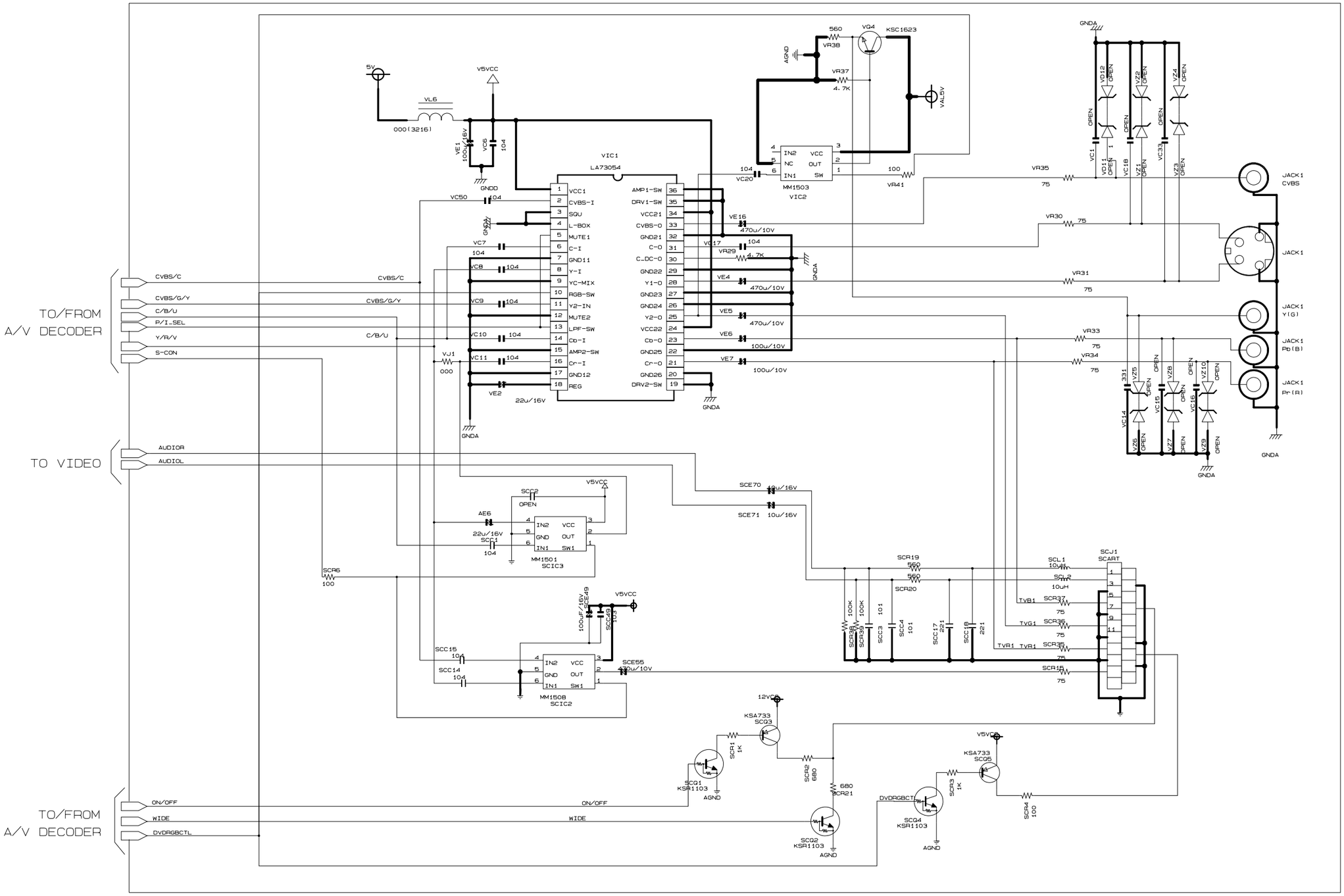
6-2 AV-Decoder/Main-Micom



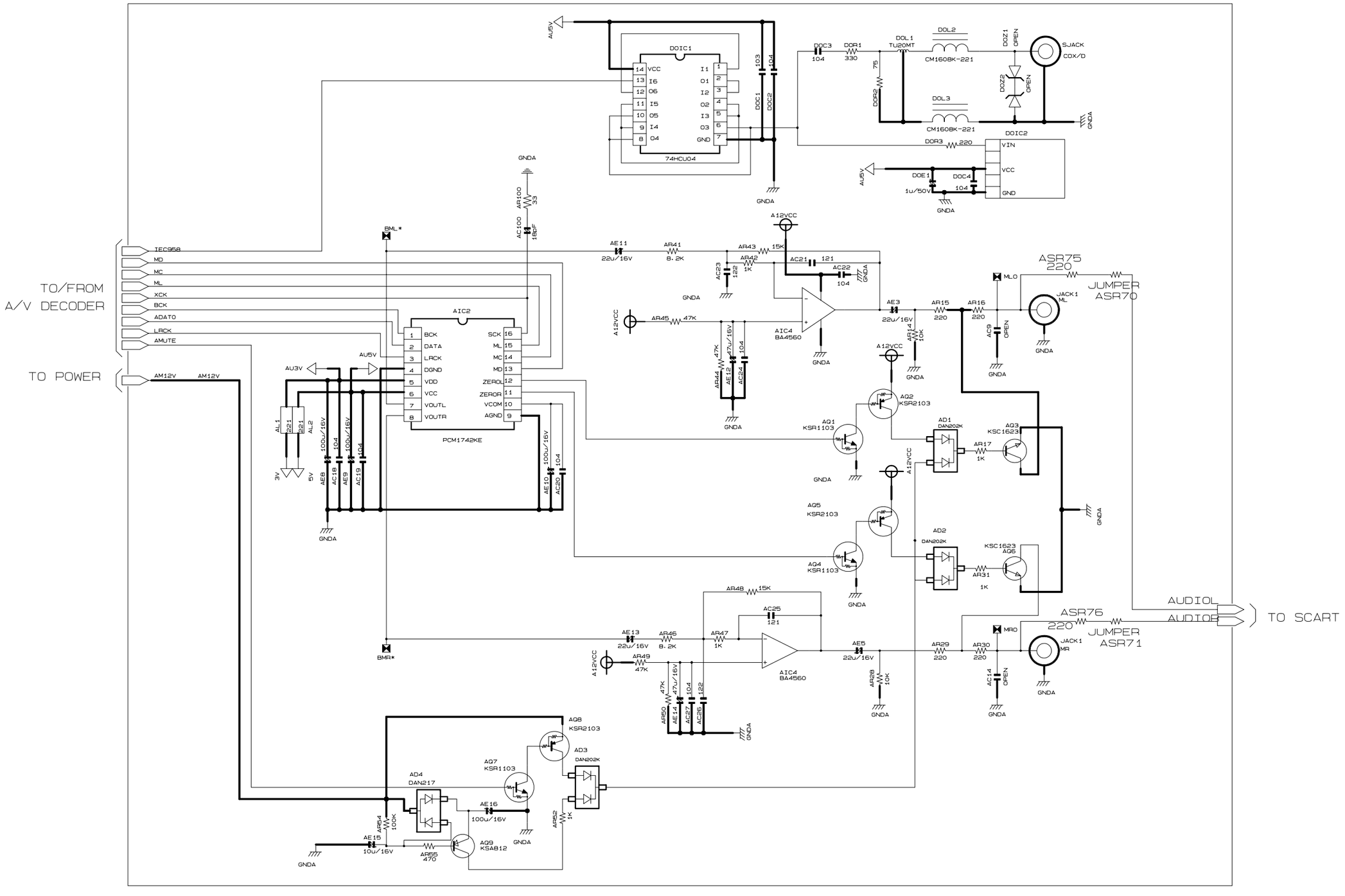
6-3 Servo


TO/FROM A/V DECODER
CON11
OPSW
CLSW
LED
POWER
TM+
TM-
GND
SL+
SL-
SP+
SP-
TO DECK DCN2
FOCUS_DAC
FOCUS_PWM
MNTR
TRACK_PWM
TRACK_DAC
NNN
SLED_PWM
MMM
SPINDLE_PWM
FIC1 FAN8004
RIC1 SP3723B
PIC1 9952T
TPCSW
TPOSW
TPSL-
TPSL+
TPSP+
TPSP-
TPF-
TPF+
TPT-
TPT+
TPTM+
TPTM-
LDCD
LDDVD
OPU_VREF
RFAC
RFDC
RFSIN
ATOP
ATON
AIN
AIP
VPA
BYB
DIN
DIP
FN
FNN
VNA
MEV
RX
DVD/CD
CDPD
DVDPD
DCN1
P/U_SEL
SW1
PDDVD
VRDVD
LDDVD
GND
PDCD
VRCD
LDCD
F-
F+
T+
T-
VREF
VCC
TO DECK CON24
12VCC
A12VCC
D3.3VCC
A3V
A5V
RFINN
RFINP
RFA_SDEN
RFA_DATA
RFA_SCLK
AAF_PI
AAF_TE
AAF_FE
AAF_CE
VBIASSO
LINK
OPEN
CLOSE
SPDL_SENS
MON
MD_MUTE
VBIASS1
LDON
MIRR
DEFECT

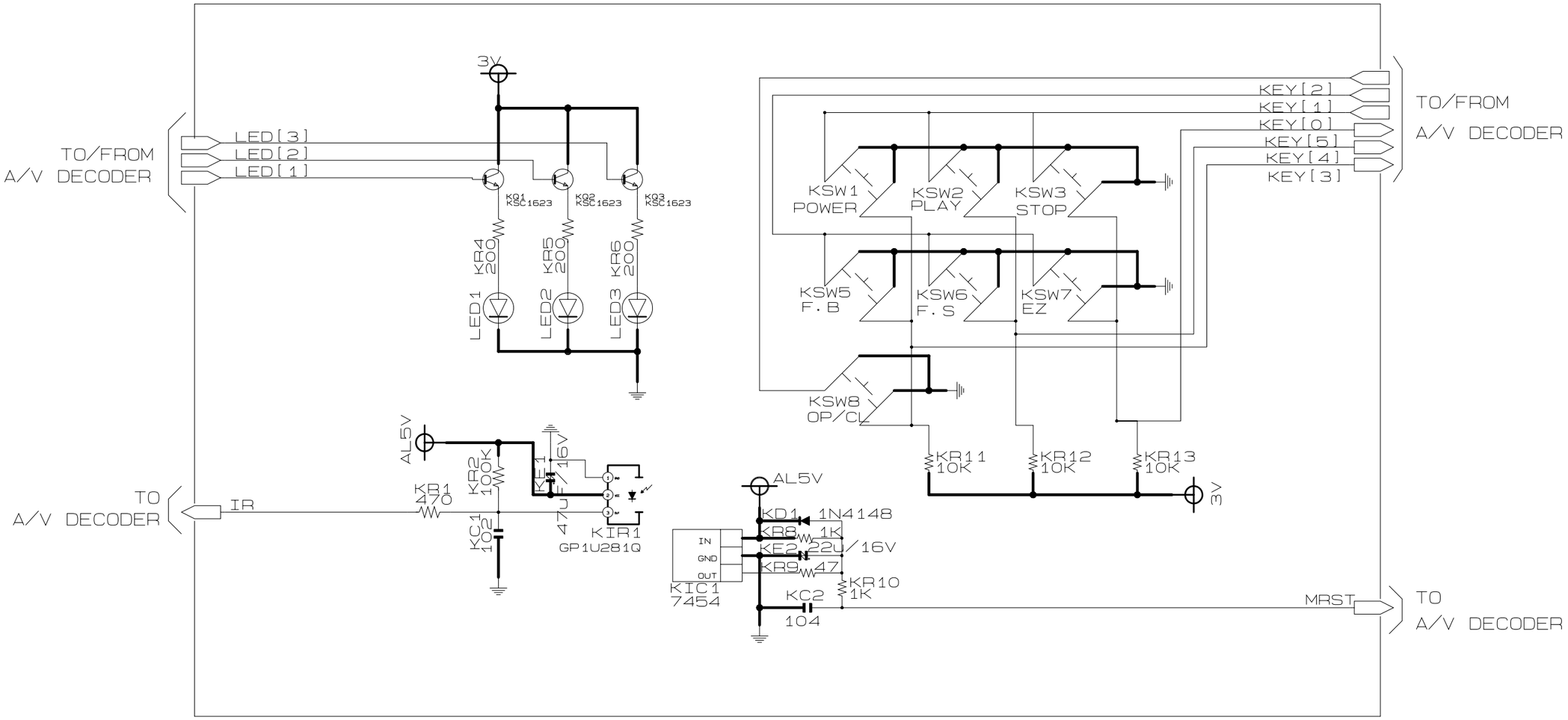
6-4 Video


TO/FROM A/V DECODER
CVBS/C
CVBS/G/Y
C/B/U
P/I_SEL
Y/R/V
S-CON
TO VIDEO
AUDIOR
AUDIOL
TO/FROM A/V DECODER
ON/OFF
WIDE
DVDRGBCTL
VIC1
LA73054
MM1503
VIC2
MM1501
SCIC3
MM1508
SCIC2
KSC1623
VQ4
KSA733
SCQ3
KSR1103
SCQ1
SCQ2
SCQ4
SCQ5
SCJ1
SCART
JACK1
CVBS
JACK1
Y(G)
JACK1
Pb(B)
JACK1
Pr(R)
5V
V5VCC
12VCC
GNDD
GNDA
AGND
VAL5V
000(3216)
OPEN

6-5 Audio


TO/FROM A/V DECODER
IEC958
MD
MC
ML
XCK
BCK
ADATO
LRCK
AMUTE
TO POWER
AM12V
AM12V
AU5V
AU3V
AU5V
DOIC1
74HCU04
DOC3 104
DOR1 330
DOL1 TU20MT
DOL2 CM1608K-221
DOL3 CM1608K-221
DOR2 75
DOZ1 OPEN
DOZ2 OPEN
SJACK COX/D
DOIC2
DOR3 220
VIN
VCC
GND
DOE1 1u/50V
DOC4 104
AR100 33
AC100 18pF
BML*
BMR*
AIC2
PCM1742KE
BCK
DATA
LRCK
DGND
VDD
VCC
VOUTL
VOUTR
SCK
ML
MC
MD
ZEROL
ZEROR
VCOM
AGND
AL1 221
AL2 321
3V
5V
AE11 22u/16V
AR41 8.2K
AR43 15K
AR42 1K
AC21 121
AC22 104
AC23 122
A12VCC
AR45 47K
AIC4 BA4560
AE3 22u/16V
AR15 220
AR16 220
MLO
JACK1 ML
ASR75 220
JUMPER ASR70
AC9 OPEN
AR44 47K
AE12 47u/16V
AC24 104
AR14 10K
AQ1 KSR1103
AQ2 KSR2103
AD1 DAN202K
AQ3 KSC1623
AR17 1K
AQ5 KSR2103
AD2 DAN202K
AQ4 KSR1103
KSC1623 AQ6
AR31 1K
AR48 15K
AC25 121
AE13 22u/16V
AR46 8.2K
AR47 1K
AR49 47K
AIC4 BA4560
AE5 22u/16V
AR29 220
AR30 220
MRO
JACK1 MR
AC14 OPEN
AR28 10K
AR50 47K
AE14 47u/16V
AC27 104
AC26 122
AQ8 KSR2103
AD3 DAN202K
AD4 DAN217
AQ7 KSR1103
AE16 100u/16V
AR52 1K
AR54 100K
AE15 10u/16V
AR55 470
AQ9 KSA812
AUDIOL
AUDIOR
ASR76 220
JUMPER ASR71
TO SCART
GNDA

6-6 Key



This Document can not be used without Samsung's authorization.

MEMO